GLADENKO, I.N., kend. vet. nauk; SHMIDOY, P.N., ml. nauchnyy sotrudnik;
BAKAY, S.M., kend. biol. nauk; ZIMOGLYAD, N.A., kend. vet. nauk

Incidence of disease among cattle eating plenty of corn.
Veterinariia 35 no. 7:73-77 Jl '58. (MIRA 11:7)

1. Ukrainskiy nauchno-issledovatel'skiy institut eksperimental'noy veterinarii(for Gladenko, Shnidov). 2. Mikolayevskaya gosudarstvennaya sel'skokhozyaystvennaya opytnaya stantsiya(for Bakay). 3. Khar'kovskiy veterinarnyy institut(for Zimoglyad).

(Cattle--Diseases and pests)

(Corn(Maize))

FORTUSHNYY, V.A., kand.veterinarnykh nauk; GLADENKOV, I.N., kand. veterinarnykh nauk; PROSTYAKOV, A.P., kand.biologicheskikh nauk; SHMIDOV, P.N., mladshiy nauchnyy sotrudnik; YEZHOVA, O.I., starshiy laborant

Use of antibiotic aerosols in diseases of young pigs.

Veterinariia 37 no.9:56-58 S '60. (MIRA 14:11)

l. Ukrainskiy nauchno-issledovateliskiy institut eksperimentalinoy veterinarii.

(Swine--Diseases and pests)
(Aerosol therapy) (Antibiotics)

PORTHERRY, V.A., Fred. velerimentylin markt SHM100V, P.N., starshiy nauchnyy solaudnik

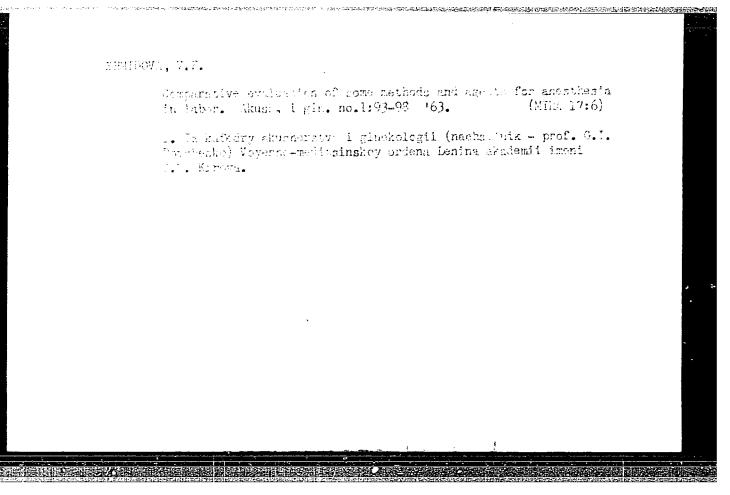
Effect of antibiotics in paratyphoid fever of young pigs. (MIRA 18:6)

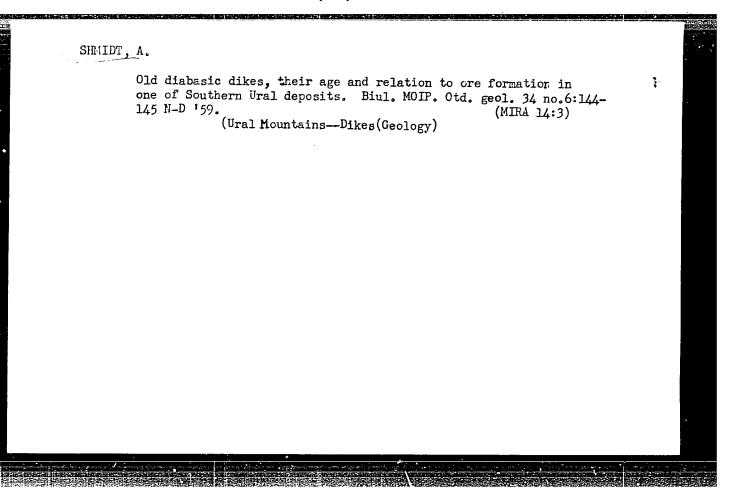
1. Uhrainskiy nauchro-kasladovateliskiy institut eksperimentalincy vetarinandia.

FORTUSHNYY, V.A., kand. veter. nauk; SHMIDOV, P.N., nauchnyy sotrudnik; TIMOSHENKO, O.P., nauchnyy sotrudnik

Action of antibiotics and their combinations in colienteritis of calves. Veterinaria 42 no.12:11-13 D '65. (MIPA 19:1)

1. Ukrainskiy nauchno-issledovatel'skiy institut eksperimental'noy veterinarii.





SHMIDT, A. [Smidts, A.]; KREMER, Yu. [Eremere, J.]

Bicchemical principles for prenteral feeding. Vestis Latv ak no.12:
61-68 '61.

1. AN Latvivskov SSR, Institut eksperimental noy i klinicheskov meditsiny

KREMER, Yu. [Kremers, J.]; MAYZEL', R. [Maizels, R.]; NAGLI, R.; SHHIDT, A. [Smidts, A.]

Method of preparing "fibrinolizat" for parenteral feeding of human subjects. Vestis Latv ak no.4:97-99 162.

U

GROM, N. [Groma, N.]; DAMBERGA, B.; KREMER, Yu. [Kremers, J.]; SHMIDT, A. [Smidts, A.]

Amino acid composition and biological effectiveness of some preparations for parenteral nitrogen alimentation. Izv. AN Latv.SSR no.9:91-94 '63. (MIRA 16:12)

USSR/Engineering - Hydraulics, Nov 51
Flow Analyses

"On the Pulsation of Flow in Pressure
Conduits," A. A. Shmidt, Engr

"Gidrotekh Stroi" No 11, pp 35-37

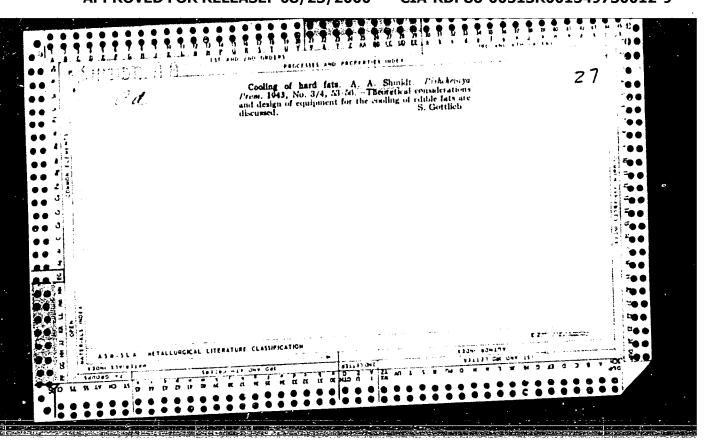
Analyzes certain processes in water conduits under head, explains flow pulsation in high-head drains and other head conduits, and suggests precautionary measures. Emphasizes influence of suction air on behavior of water flow and as a cause of hydraulic jumps.

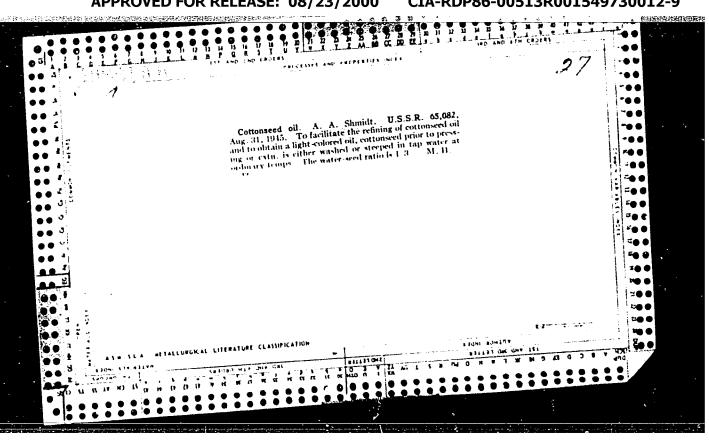
SEMIDI, A.A., spets. red,; KOROVIN, K.I., red.; EOCHAROVA, I.V., tekhn. red.

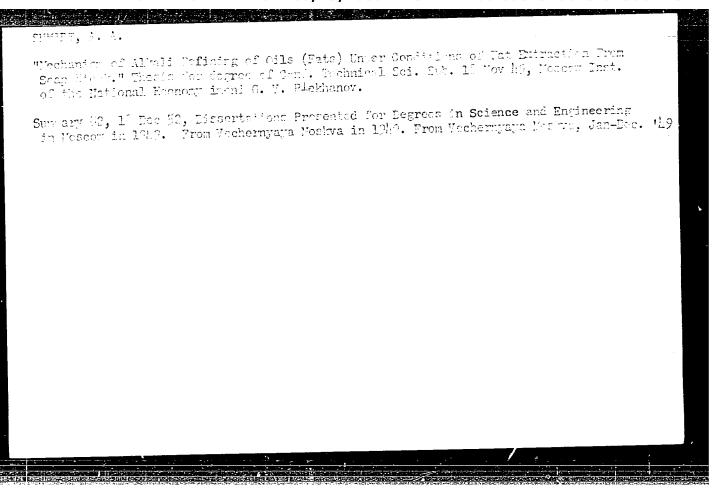
[Exchange of experiences in continuous soap production]
Obmen opytom po nepreryvnomu proizvodstvu myla. Moskva,
1962. 110 p. (MIRA 15:11)

1. Moscow. Gosudarstvennyy nauchno-issledovatel skiy institut nauchnoy i tekhnicheskoy informatsii.

(Soap incustry) (Assembly-line methods)







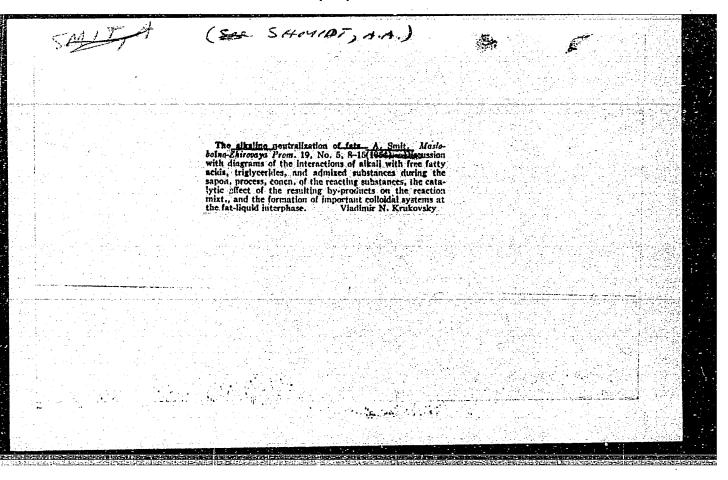
SCHMIDT, A. A.	Feb 52		cod-liver oil. Schmidt and the Sci Lat SSR, vacuum pans vacuum pans tusing this ish oil is re- eliminated.	2631156		
	USSR/Medicine - Fish Oil	"A New Method of Processing Fish Oil" Nauka i Zhizn', No 2, p 28	Describes a new method of processing cod-linus method, proposed by Prof A. A. Schmidt staff of the Inst of Exptl Med, Acad Sci La consists of processing cod livers in vacuum instead of the old open boilers. By using method, the vitamin content of the fish oil tained and its disagreeable odor is eliminating.			
	50	7., 8N	c s t t t t t t t t t t t t t t t t t t		V	Marine Service

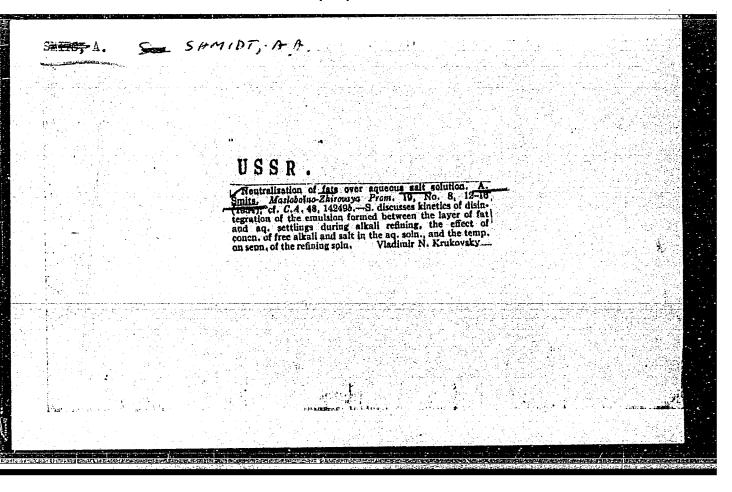
C.A. V-48
The classification of methods for refining of fats. A.A.

Jan 10, 1954
Smits. Maidodino-Zhirowyn Prom. 18. No. 8, 10-12
Smits. Maidodino-Zhirowyn Prom. 18. No. 8, 10-12
Vadimir N. Krukovsky.

Vadimir N. Krukovsky.

Vadimir N. Krukovsky.





BUKHMAN, Mikhail Meiseyevich; SHMIDT, A.A.; BUKHARIN, V.V.; VASIL'YEVA, G.N.; KISINA, Ye.I., tekhnicheškiy redaktor;

[Preduction of mayonnaise] Proizvedstvo maioneza, Meskva, Pishchepromizdat, 1955. 32 p. (MLRA 9:4)

(Mayonnaise)

SHMIDT, Aron Anisimovich; PETROV, N.A., kend.tekhn.nauk, retsenzent;

BARADNIKOV, M.A., inzh., retsenzent; KOVALEVSKAYA, A.I., red.;

KISINA, Ye.I., tekhn.red.

[Theoretical principles of the refining of vegetable oils]

Teoreticheskie osnovy rafinatsii restitel nykh masel. Moskva,

Pishchepromizdat, 1960. 339 p.

(Oils and fats)

ANISIMOVA, Ye.G., inzh.; SHMIDT, A.A., kand.tekhn.nauk; SHUR, S.I., kand.khim.nauk

Problem of the physicochemical characteristics of fatty oils refined to different degrees. Masl.-zhir.prom. 25 no.8:17-20 (MIRA 12:12)

1. TSentral'naya nauchno-issledovatel'skaya laboratoriya zhirovoy promyshlennosti Mosgorsovnarkhoza.
(Oils and fats)

KREMER Yu.N.; KORTA, A.Ya.; PUMEIR, O.Ya.; SHMIDT, A.A.

Effect of folic acid on come enzymatic systems. Bickhimita (MIRA 15:6)

1. Gueir of Euclogical Chemistry, Nedical Institute, Riga, Latvian S.S.R. (SIZWES) (FOLIC ACID)

Sedimentometric analysis of a nickel catalyst. Mas.-zhir. prom. 27 no.7:20-23 Jl '61.

1. TSentral'naya nauchno-issledovatel'skaya laboratoriya zhirovoy promyshlemosti Mosgorsovnarkhoza. (Sedimentation analysis) (Catalysts, Nickel)

331446 5/065/62/000/002/003/004 15.6500 E075/E485 11.9400 Sinitsyn, V.V., Aleyeva, Ye.V., Bessmertnyy, K.I., Popova, Ye.P., Shmidt, A.A. **AUTHORS:** Influence of fractional composition of synthetic fatty TITLE: acids on thermal stability and practical characteristics of sodium greases PERIODICAL: Khimiya i tekhnologiya topliv i masel, no.2, 1962, 53-59 To explain differences in performance (gelation at 80 to 120°C) between greases thickened with sodium soaps of natural fatty acids $(C_{16} - C_{18})$ which are satisfactory and synthetic acids (fractions C10-C16 and C12-C20) which are not satisfactory, the latter were analysed by gas-chromatography. The synthetic acids were vacuum distilled into 5 fractions, the fractions having the following composition: top fraction: $C_{11} - C_{15}$, 3.1%; 1) $C_{13} - C_{1}$, 3%; 2) $C_{15} - C_{19}$, 14%; 3) $C_{16} - C_{20}$, 9.8%; 4) $C_{17} - C_{21}$, 16.8%; 5) $C_{18} - C_{22}$, 9.3%; residue, 40%. Greases were prepared from each of the fractions and their mixtures saponified with NaOH in oil MK-8. It was found that the fractions 1 to 4 gave greases which had similar satisfactory thermal properties to the greases prepared from natural stearic acid. However, Card 1/3

33址6 5/065/62/000/002/003/004 E075/E485

Influence of fractional ...

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fraction 5 gave greases that gelled at a lower temperature. behaviour was similar to that exhibited by the greases prepared from the original synthetic acids. Also admixture of fraction 5, or the residue fraction, to the other fractions caused gelation to occur at a lower temperature than that characterizing the greases occur at a lower temperature than that characterizing the greates prepared from fractions 1 to 4. The authors conclude that some components present in fraction 5 and the residue cause the gelation to occur. Comparing the properties of the greases, it was evident that the heavier fractions have higher thickening action than the light fractions. With the increase in the mean molecular weight of the acids the consistency of the greases increases and oil separation decreases; the latter property is equivalent to an improved colloidal dispersion of the soap. Other improvements include viscosity-temperature characteristics and mechanical stability. It is concluded that the gelation of the greases is not connected with the presence in the fractions of the high molecular weight acids but with the unsaponifiable components of the residual fraction, some of which may be oxidation by-products. When the residual fraction is removed, the remaining Card 2/3

Influence of fractional ...

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E075/E485

acids give generally better sodium greases than those prepared from carboxylic acids derived from animal and vegetable fatts, The analysis of fractional composition of the synthetic fatty acids by ygas-chromatography was carried out at NII SZhIMS by B,P.Kotel'nikov. There are 2 figures, 4 tables and 3 Soviet-bloc references.

MARTYNSON, E.E., prof., otv. red.; MEREZHENSKIY, M.F., prof., red.; MIKALAUSKAYTE, D.A. [Mikalauskaite, D.A.], prof., red.; SHMIDT, A.A. [Smits, A.], akad., red.; KREMER, Yu.N. [Kremers, J.], red.; PLENINA, G.N., red.; TYAKHEPYL'D, L.Ya. [Tahepolu, L.], red.

[Transactions of the First Biochemical Conference of Baltic Republics and White Russia] Trudy Pervoy biokhimicheskoy konferentsii Pribaltiiskikh respublik i Belorussii. Tartu, Tartuskii gos. univ. ESSR, 1961. 507 p. (MIRA 15:9)

1. Biokhimicheskaya konferentsiya Pribaltiyskikh respublik i Belorussii. 1st, Tartu, 1960. 2. Zaveduyushchiy kafedroy biokhimii Tartuskogo gosudarstvennogo universiteta (for Martynson).
3. Vil'nyusskiy nauchno-issledovatel'skiy institut epidemiologii i gigiyeny (for Mikalauskayte). 4. Akademiya nauk Latviyskoy SSR, Chlen Prezidiuma Vsesoyuznogo biokhimicheskogo obshchestva (for Shmidt). 5. Kafedra biokhimii Rizhskogo meditsinskogo instituta (for Kremer). 6. Kafedra biokhimii Tartuskogo gosudarstvennogo universiteta (for Tyakhepyl'd).

(BIOCHEMISTRY—CONGRESSES)

141030

S/851/62/000/028/006/015 D296/D307

27 1220

AUTHOR: Shmidt, A.A.

TITLE: Biochemical disorders caused by ionizing radiation in

animals, with regard to the state of nutrition of the

latter

SOURCE: Akademiya nauk Latviyskoy SSR. Institut eksperimental'-

noy i klinicheskoy meditsiny. Trudy. no. 28, 1962. Znacheniye faktora pitaniya v profilaktike luchevoy

bolezni, no. 4, 79 - 82

TEXT: One group of rats was kept on a normal diet, whilst another was given a diet of wheat biscuits, considered to be deficient in proteins and vitamins. In each of the 2 groups some animals were exposed to total body irradiation, with 700 r dose of γ rays, emitted by the TYT Co-400-1 (GUT Co-400-1) apparatus, while the remainder served as a control group. The organ weight in relation to the body weight and the weight of the dry residue of the liver, lungs, kidneys and the skin were estimated in all animals, as well as the choline content of the organs. In animals kept on a normal diet, the Card 1/3

S/851/62/000/028/006/015 D296/D307

Biochemical disorders caused by ...

Card 2/3

relative weight of the lungs increased after exposure to radiation, beginning on the 20th day, whereas in animals kept on a deficient diet the weight of the lungs showed a continuous decrease starting from the first day after exposure. The choline content of the liver, as estimated by the method of Acker and Ernst, increased in all animals independently of the diet. The choline content of the lungs increased in animals on the full diet. In the other organs increased in animals on influence upon the choline content. The thiaminal content of the liver (initially high in animals on an adequate diet) decreased after irradiation, whereas the initially low thiaminal content of the liver of animals on a deficiency diet showed a slight increase. Y-radiation had no appreciable effect upon the content of riboflavine and vitamin B₁₂. The content of ascorbic acid of the liver and the adrenal glands increased after exposure to radiation, independently of the diet. An increase in the globin content of the blood could be observed only in animals kept on a full diet. In these animals iron accumulated to a greater degree in the spleen and the bone marrow. As a whole, this investigation (carried out by a group of workers in the author's Institute) showed that

Biochemical disorders caused by ...

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biochemical changes are more marked in animals kept on a full diet, a fact which the author explains by the greater activity of the biochemical processes.

X

Card 3/3

ALIMOV, O.D., doktor tekkn.mauk; SADAKOV, Yu.P., inzh.; SHMIDT, A.A., inzh.;
YUDIN, V.G., inzh.

Gutting-bar machine with a hydromechanical reducing gear for working
frozen grounds. Stroi. i dor. mash. 9 no.12:4-5 D '64.

(MIRA 18:3)

MARKMAN, Aleksandr L'vovich; RZHEKHIN, Vladimir Fetrovich;
SHEIDT, A.A., doktor tekhn. nauk, retsenzent; SERIK,
A.P., red.

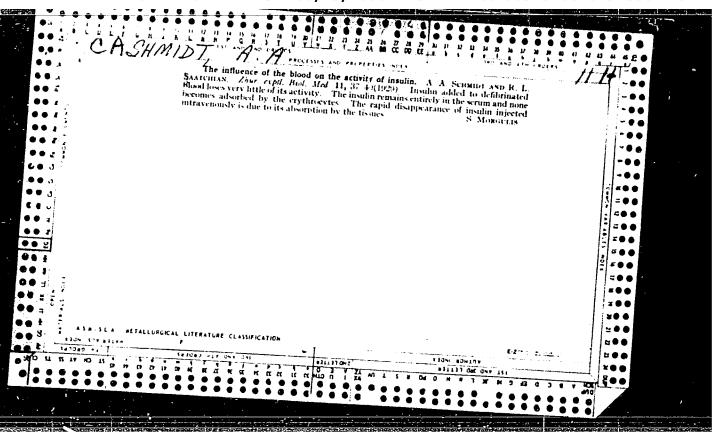
[Gossypol and its derivatives] Gossipol 1 ego proizvodnye.

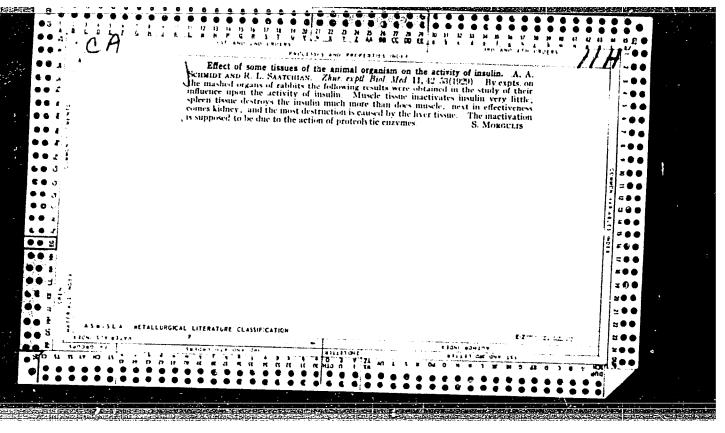
[Gossypol and its derivatives] 1965. 243 p.

Moskva, Pishchevaia promyshlennost', 1965. (MIRA 18:5)

L 35826-66 ACC NR: AP6019490	(A) SOUR	CE CODE: UR/	0197/66/000/00	5/0083/0089	
AUTHOR: Lazdyn', A.				36	- E
ORG: Riga Institute o	The second of the second secon		iy institut)	B	
TITLE: Caseinolysat				enteral	
SOURCE: AN LatSSR.	Izvestiya, r	10. 5, 1966, 8	33-89		3
TOPIC TAGS: nutrit	ion, protein,	hydrolysis,	amine, biochemist	lay	
ABSTRACT: Caseinoly hydrolysate contains treatment with pan To evaluate the energerenteral feeding, stage of the experimental body weight by 10 to administered a daily supplemented with the days. In the this parenteral feeding	ysate, a name ing 70% amino creatin and rey and plasti experiments wents the animo 15%. In the y parenteral inhiamin, ribof	given by the nitrogen, is kefir yeast ic properties were conducted mals were gives second stage feeding of interior, nicotically were	authors to a reprepared from (Bacillus caused of the prepared on 3 dogs. It is not sugar (670 nic acid and of administered a	new protein casein by casicus) ation for in the first coreduce were keal/kg) thers for daily	t
Card 1/2	garage and the second				
			e de la companya de l		

L 35826-66 ACC NR: AP6019490 indexes were determined for each stage: total volume of circulating blood and plasma, protein levels of blood and plasma, and body weight. Urine specimens were collected during the second and third stages to determine nitrogen balance, total nitrogen, urea nitrogen, amino nitrogen and ammonia. Findings show that with caseinolysate (2 g/kg) administered parenterally for 5 days the negative nitrogen balance produced by protein deficiency becomes positive and is accompanied by normalization of the urea forming function of the liver. Over 90% of the amino nitrogen contained in caseinolysate is utilized by the animals In addition to providing energy for catabolism and tissue building. in the form of invert sugar, caseinolysate increases body weight and blood protein levels. On the basis of demonstrated properties as a source of energy and protoplasm, caseinolysate is recommended for parenteral feeding. art. has: 2 tables. **Г061** SUB CODE: 06/ SUBM DATE: 12Mar66/ ORIG REF: 00L/ OTH REF: 009 ATD PRESS: 5 / 36 Card 2/2

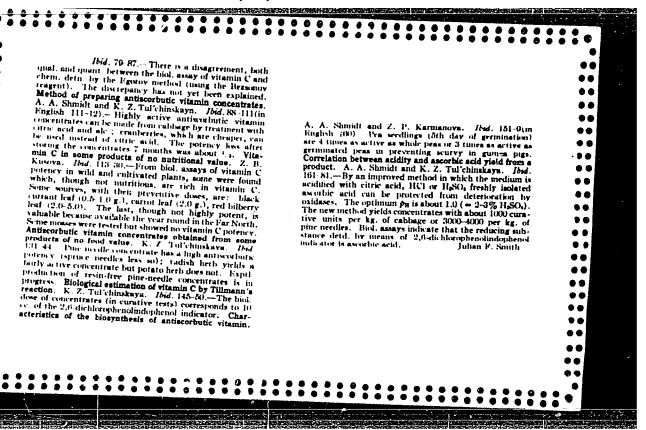




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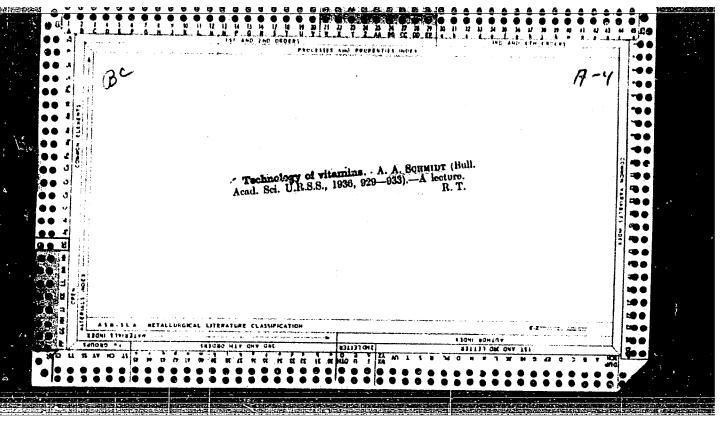
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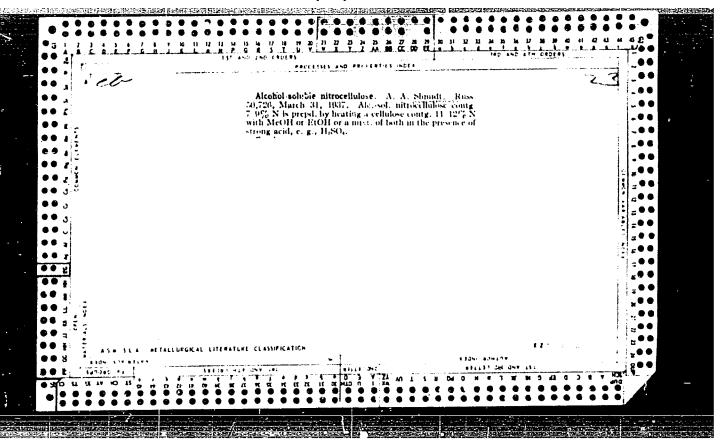


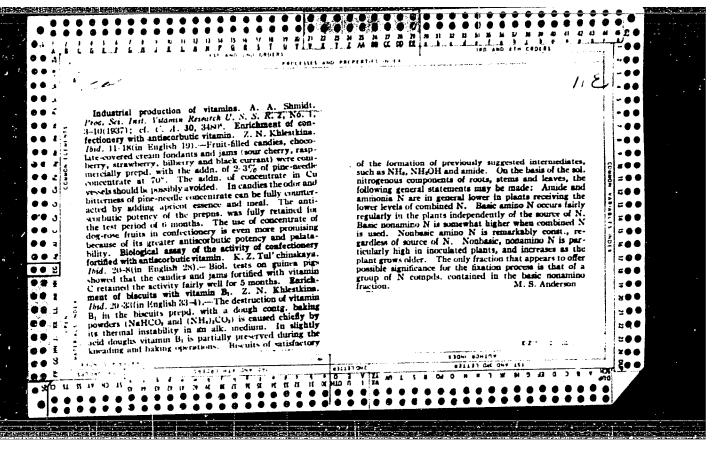


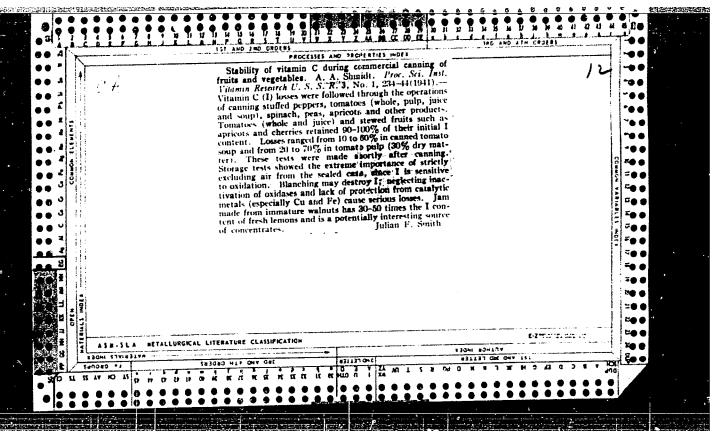
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SMITS, A.A.

Some biochemical contentions on the significance of proteins and vitamins in human food. Latvijas PSR Zinātmu Akad. Vēstis '49, No.1, 83-94. (CA 47 no.18:9513 '53) (MLRA 4:1)

1. Food Inst., Acad. Sci. Latv. S.S.R., Riga.

THEMIST, A. A.

Schmidt, A. A. "Micharinist biological science-a basis for the contemporary study of human food supply", Isvestiya Akad. nauk Latv. SSK, 15 h°, No h, p. 5-20, (In Latvian, resume in Russian).

30: U-1392, 19 August 53, (Letopis 'Zhurmal 'nykh Statey, No 21, 1949).

- 1. SMIDT, A. A., Prof.
- 2. USSR 600
- 4. Proteins
- 7. New means of ensuring a protein-vitamin diet, Latv. PSR Zin. Akad Vestis, No. 11, 1951.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

SMITS, A., professor, doktor deystvitel'nyy chlen Akademii nauk Latviyskoy SSR.

I.P.Pavlov's teachings and Enssian biochemistry. Latv.PSR Zin.Akad.Vēstis no.4:51-63 '52.

1. Akademiya nauk Latviyskoy SSR.

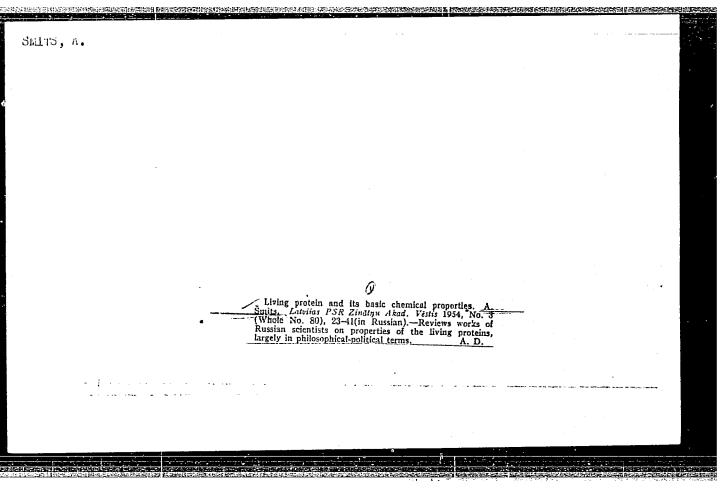
(Pavlov, Ivan Petrovich, 1849-1936) (Biochemistry)

Shridt, A. A.

"Protein-Vitas in Concentrates, Their Preparation and Flace in the Mutrition of Man," Izv. AN Latv. SDR, No 3, 1953, 67-75

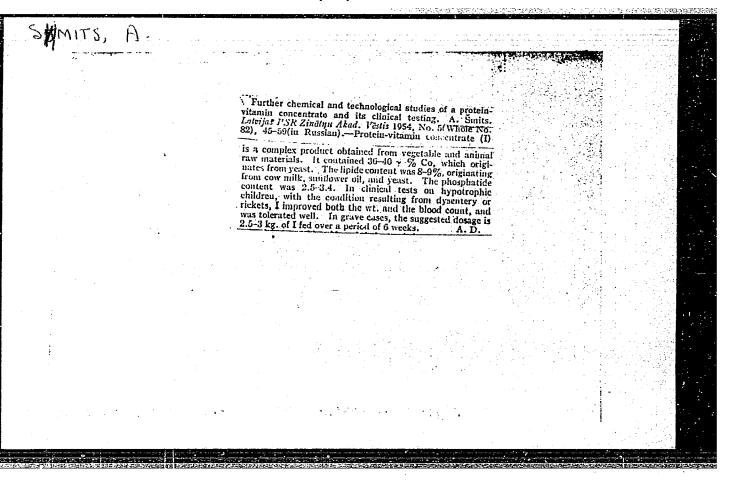
Presents data on the above new nutritional product and its sources of preparation. Addition of the protein-vitamin concentrate to bread increases its nutritional value and taste. (NZhKhim, No 7, 1954)

So: W31128, 11 Jan 55



"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549730012-9



KREMER, Yu.N.; MEYROVITS, I.R.; SHMIDT, A.A.

Preservation of tryptophan during protein hydrolysis in the atmosphere of certain gases. Biokhimia 24 no.4:697-699
J1-Ag '59. (MIRA 12:11)

1. Kafedra biologicheskoy khimii Meditsinskogo instituta, Riga. (TRYPTOPHAN chem.)
(FIBRIN chem.)

CHAIRT, J. J., ARRY, T. .., DAMBURRI, B. TE., KORDAN, V. A., TRESCR, Y. N. (1852)

"Biother tal Bases for Raiging the Biological Value of Protein Tylrolysates."

Report presented at the Sti International Biochemistry Congress, Moscow, 10-14 August 1941

SHITT L. a. AGEER, W. J., FRAN, 15. L., HOSTA, A. MA. (78. A)

"Mazyme Activity in Certain Animal Tissues as an Indication of the biological Value of Protein Preparations."

Report presented at the 5th Int'l. Biochemistry Congress, Moscow, Ju-16 Aug 1961

SHERVER, A.A., Mindelma, G.I., Scharffelferst, G.D., Yansth, J.L., (YSSE)

"The Influence of Triethylanethiophosphasmide on Blood
Trotein Synthesis in America-sick Rabbits."

Leport presented at the 5th Int'l. Biochemistry Congress,
Hoursw, 1 -16 Aug 1961.

KREMER, Yu.N. (Riga); SHMIDT, A.A. (Riga)

Methods for increasing the biological activity of protein hydrolysates. Vop. pit. 20 no.6:3-12 N-D '61. (MINA 15:6)

1. Iz kafedry biologicheskoy khimii (zav. - akademik AN Letviyskoy SSR prof. A.A. Shmidt) Rizhskogo meditsinskogo instituta.

(BLOOD PLASMA SUBSTITUTES)

"APPROVED FOR RELEASE: 08/23/2000 CIA-R

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L 36827-66 EWP(m)/EWT(1) GD

ACC NR: AT6016795 (N) SOURCE CODE: UR/0000/65/000/000/0265/0282
51
AUTHOR: Krasnoshchekov, F.S.; Moiseyev, N.N.; Shmidt, A.G.; 56

8+1

ORG: Computing Center, Academy of Sciences, SSSR, Moscow (Vychislitel'nyy tsentr Akademii nauk SSSR)

TITLE: A class of problems in the dynamics of viscous fluid

SOURCE: International Symposium on Applications of the Theory of Functions in Continuum Mechanics. Tiflis, 1963. Prilozheniya teorii funktsiy v mekhanike sploshnoy sredy. t..2: Mekhanika zhidkosti i gaza, matematicheskiye metody (Applications of the theory of functions in continuum mechanics. v. 2; Fluid and gas mechanics, mathematical methods); trudy simpoziuma. Moscow, Izd-vo Nauka, 1965, 265-282

TOPIC TAGS: viscous fluid, fluid flow, fluid dynamics, boundary value problem, nonsteady flow, Navier Stokes equation, harmonic function, harmonic oscillation

ABSTRACT: This report is devoted to some problems in the theory of nonsteady flow of a viscous fluid, originating during the oscillation of various solids which either contain fluid or are immersed in a fluid, as well as during the oscillations of fluid volumes having a free surface. The authors primarily investigate linear problems, i.e., problems on the oscillations of fluids with small amplitude.

Card 1/2

L 36827-66

ACC NR: AT6016795

A discussion shows that the boundary-value problem for the determination of the velocity field of viscous fluid flow with certain conditions may be reduced to the boundary-value problem (in the general case not self-congugate) for harmonic functions. The report presents a general method for the solution of such problems and investigates a series of problems involving osc llations of low-viscosity/fluids, specifically, such problems as the oscillation of a fluid of infinite depth, free oscillations of a fluid confined in a vessel, forced oscillations, and oscillations of a spherical layer. The methods developed for the asymptotic integration of linearized Navier-Stokes equations make possible an effective investigation of a class of problems on the oscillation of solids filled with a viscous fluid. Two such problems are treated: a) the problem of a pendulum with a viscous fluid, and b) the plane problem of the motion of a solid with a viscous fluid in a central force field. It is shown in case b that as a result of the dissipation of energy the orbit eccentricity will constantly diminish; the radius of the limiting circular orbit is determined. An attempt is made to extend the methods developed to the problem of nonlinear oscillations. Orig. art. has: 3 figures and 47 formulas.

SUB CODE: 20/ SURM DATE: 13Sept65/ ORIG REF: 002/ OTH REF: 001

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Card 2/2

SHMIDT, A. G. (Moscow)

"Application of the method of asymptotic integration for solving problems of oscillations of a viscous liquid with free surface".

report presented at the 2nd All-Unior Congress on Theoretical and Applied Mechanics, Moscow, 29 January - February 1964.

5/0203/64/004/001/0183/0189

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ACCESSION NR: APLO12014

AUTHOR: Shmidt, A. G. (Moscow)

TITLE: Gravitational and capillary waves on the surface of a spherical layer of viscous gravitating fluid

SOURCE: Zhurnal vy%chisl. matem. i matem. fiz., v. 4, no. 1, 1964, 183-189

TOPIC TAGS: gravitational wave, capillary wave, spherical layer, viscous fluid, gravitating fluid, small oscillation, surface tension, Reynold's number

ABSTRACT: The author studies small oscillations of viscous fluid which, at rest, has the form of a spherical layer whose interior is filled with solid matter. He assumes that the oscillations arise under the influence of gravitational forces and the forces of surface tension. He shows that for large Reynold's numbers an approximate solution of this problem can be obtained by an asymptotic method. A precise solution can also be constructed, but it contains Bessel functions of a complex argument, which creates difficulties in computing the oscillation frequency and the decrement of damping. In the case of non-oscillating, aperiodic conditions the computations are simpler because the argument of the corresponding Bessel functions is a real number. The asymptotic method makes it possible to find simple asymptotic Cord 1/2

ACCESSION NR: AP4012014

formulas for the oscillation frequency and the decrement of damping. In particular, the decrement of damping, in the case of a spherical layer, depends on the coefficient of surface tension, which does not hold for infinitely deep liquid in the form of a sphere. The author also investigates the problem of oscillations of viscous fluid of finite depth, whose solution can be obtained from the solution of the above problem with the help of passage to the limit. He gives asymptotic formulas for both the oscillation frequency and the decrement of damping. In the latter case the spectrum of frequencies is continuous, in contrast to the case where the fluid has the form of a spherical layer or a sphere, where the corresponding spectrum is discrete. "In conclusion I express my gratitude to N. N. Moiseyev for his constant attention to and interest in this work, expressed in a whole series of remarks valuable to me." Orig. art. has: 16 formulas.

ASSOCIATION: none ·

SUBMITTED: 20May63

DATE ACQ: Lifeb64

ENCL: 00

SUB CODE: AI

NO REF SOV: 004

OTHER: CO3

Card 2/2

SHMIDT, A.G. (Moskva)

Oscillations of a viscous fluid of finite depth caused by the initial displacement of its free surface. Zhur. vych. mat. i mat. fiz. 5 no.2:287-297 Mr-Ap '65.

(MIRA 18:5)

BORODAYEVSKAYA, M.B., SHMIDT, A.I.

Secsion devoted to the study of the distribution of copper pyrite and copper porphyry deposits. Geol. rud. mestorozh. no.4:127-132

J1-Ag '60.

(Porphyry)

(Chalcopyrite)

SHMIDT, A.I.

Age ratio of sulfopyrite and gold complex metal mineralization in the Kurcsan ore deposit (Southern Urals). Geol.rud.
mestorozh. no.5:27-40 N-D '61. (MIRA 14:12)

1. TSentral'nyy nauchno-issledovatel'skiy gornorazvedochnyy institut, Moskva.

(Ural Mountains—Pyrites) (Ural Mountains—Gold ores)

SHMIDT A.I.

Detarmining the length of a block. Izv. vys. ucheb. zav.; tavet. me . 4 no.:: [...] fol. (MIRA 14:12)

1. Krasnoyarskiy institut tsvetnykh metallov, kafedra razrabotki rudnykh i rossypnykh mestorozhdeniy.

(Mining engineering)

SHMIDT, A.I., inzh.-mekhanik

Reconditioning the supporting rollers of tractors. Mekh. sil'.
hosp. 14 no.11:24 N'63. (MIRA 17:2)

SHMIDT, A.I., garnyy insh.

Determining the length of a block in working vein deposits.

Gor. skin. no.3:31-37 km 163. (MIRA 16:4)

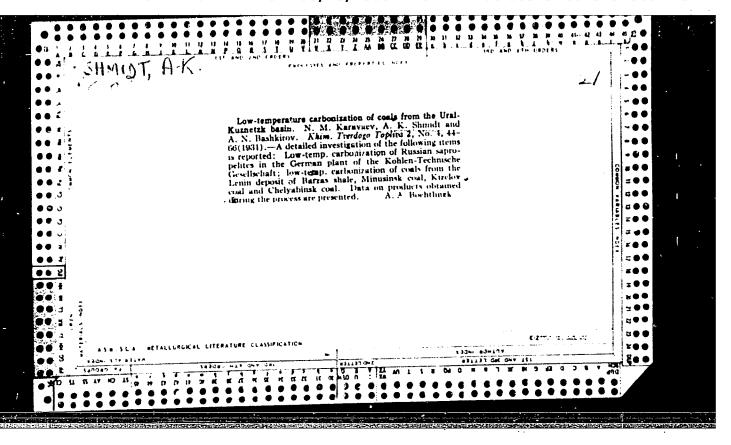
1. Institut gornogo dela imeni Skonninskogo.

CIA-RDP86-00513R001549730012-9 "APPROVED FOR RELEASE: 08/23/2000

SHMIDT, A.I.; SHIRAY, Ye.P.

Adularization of rocks enclosing gold-pyrite ores in the Kurosan deposit (Southern Urals) and the depth of the formation of pyrite deposits. Dokl. AN SSSR 160 no.1:204-207 Ja 165.

1. TSentral'nyy nauchno-issledovatel'skiy gorno-razvedochnyy institut tsvetnykh, redkikh i blagorodnykh metallov. Submitted July 7, 1964.



"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549730012-9

ZIKIYEV, Tikhon Alekseyevich; SHMIDT, A.K., otvetstvennyy red.; RYKOV, N.A., red.izd-ve; ALADOVA, Te.I., tekhn.red.

[Hendbook on the quality of coals and fuel shales in the Soviet Union] Spravochnik po kachestvu iskopaenykh uglei i goriuchikh alantsev Sovetskogo Soiuza. Moskva, Ugletekhizdat, 1957. 144 p. (HIRA 11:6)

(Goal mines and mining—Handbooks, manuals, etc.)

(Shale—Handbooks, manuals, etc.)

LEVITSKIY, Ya.B.; MASKIN, M.G.; GRIGOR'YEV, G.I.; SHMIDT, A.K.; GREK, A.I.

For radical changes to improve coal quality standards. Ugol' 32 no.10:
(MIRA 10:11)

(Goal--Grading)

SOV-28-58-4-14/35

AUTHORS: Shmidt, A.K., and Ponomarev, I.V., Engineers

TITLE: Mechanized Selection of Trade Coal Samples (Mekhaniziro-

vannyy otbor tovarnykh prob uglya)

PERIODICAL: Standartizatsiya, 1958, Nr 4, pp 48 - 50 (USSR)

ABSTRACT: In order to mechanize and automate coal sample selection,

various machines are recommended and described: drilling sampler designed by KUZNIUI (fig. 1); bucket sampler designed by the Leningrad Branch of NIIU (fig. 2); "MDV" hammer crusher (fig. 3); complex unit for separating initial and analytical samples, designed by NIIUgleobogash-cheniye (fig. 4); "MD-70" hammer crusher (fig. 5). The slow development of mechanization in this field is criticized and the necessity to bring about full mechanization in coal sample selection and separation is stressed. There

are 3 photos and 2 diagrams.

1. Coal--Sampling

Card 1/1

SHMIDT, Aleksendr Karlovich; KARPOVICH, V.L., otv.red.; GARBER, T.N., red.izd-va; BOLDTREVA, Z.A., tekhn.red.

[Establishing standards of coal quality] Normirovanie kachestva uglei. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu, 1960. 169 p. (MIRA 13:11)

(Coal--Standards)

KHAZANOV, V. S., kand. tekhn. nauk; SHMIDT, A. M., inzh.; KOLESNIKOV, V. N., inzh.

System for determining the electrical and light parameters of fluorescent lamps during their manufacture. Svetotekhnika 8 no.9:14-16 S '62. (MIRA 15:10)

1. Vsesoyuznyy svetotekhnicheskiy institut.

(Fluorescent lamps)

SHMIDT, A.M., inzh.; RINGER, V.Ye., inzh.

Unit for continuous voltage control in the power supply of high power low-voltage lamps. Elektrotekhnika 36 no.2:38 F 165.

(MIRA 18:4)

SHEIDT, A. O.

USSR/Electricity
Rotors
Coils-Winding

Dec 1947

"New Methods in Rewinding Rotors with Aluminum Coils," V. I. Zil'berberg, Engr; A. O. Shmidt, Gor'kiy Automobile "orks imeni V. M. Molotov, 1 p

"Prom Energetika" No 12

Briefly describes repairs made on housing of shortcircuit rotor at one of the plants GAW imeni V. M. Molotov. Although a rotor with an aluminum housing usually is considered very durable, and repairs on this type of assembly are considered uneconomical, at times they are necessary in spite of high cost involved.

PA 52T16

SHMIDT, Alexsey Osiposich

SOV/144-58-10-11/17

AUTHORS:

Bamdas, A.M., Doctor of Technical Sciences, Professor; Somov, V.A., Candidate of Technical Sciences, Lecturer and

Shmidt, A.O., Assistant

TITLE:

Some Variants of Construction of Single-Phase and Three-Phase Transformers Controlled by Submagnetisation of Shunts (Nekotoryye varianty konstruktsiy odnofaznykh i trekhfaznykh transformatorov, reguliruyemykh

podmagnichivaniyem shuntov)

PERIODICAL: Izvestiya Vysshikh Uchebnykh Zavedeniy, Elektromekhanika, 1958, Nr 10, pp 115-123 (USSR)

ABSTRACT:

Many articles on single--phase transformers controlled by the submagnetisation of shunts suggest including the magnetic shunts in the secondary winding window as shown in Fig la and b. With this construction the secondary winding is linked with the main flux of the primary winding and the opposing flux of the shunt. Regulation is effected by altering the submagnetisation flux. With this arrangement the magnetic system is complicated and the primary is located inside the secondary, which is inconvenient when designing dry

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nigh-voltage stap-down transformers. Therefore,

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constructions have been developed in which the shunts are located in the window of the primary winding. In this case the secondary winding is linked by the resultant flux of the primary winding and the shunt. Single-phase transformers with submagnetisation shunts in the primary winding window are then considered in more detail. In all the constructions described the primary windings are outside the secondary. construction of the transformers illustrated in Fig 2 differs from those shown in Fig 1 in that the main legs of the core carry the secondary winding instead of the primary and the external primary winding encloses the main leg and the magnetic shunt with submagnetisation winding. A number of constructions are then described in which the main and supplementary magnetic systems are separate so that the transformers have cores of normal type. The simplest form of this construction is illustrated in Fig 3 and it will be seen that two cores, one carrying the secondary winding and the other the

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Some Variants of Construction of Single-Phase and Three-Phase Transformers Controlled by Submagnetisation of Shunts

submagnetisation winding are placed side by side and the primary winding is wound round the two together. Two identical transformers of this construction are needed for connection to a single phase supply, their primary and secondary windings are connected in series or in parallel and the submagnetisation windings are connected back-to-back to supress the alternating emf's induced in them. In some cases additional steps have to be taken to compensate the alternating emf in the auxiliary winding. The degree of voltage control that can be achieved with such transformers depends on a number of factors. Curves of the secondary voltage as a function of the submagnetisation current are given in Fig 4 for several values of load resistance on an experimental model of the transformer. The transformer was intended for wide range of voltage control on load and has an additional submagnetisation winding on the main core. The construction of the transformer, which is illustrated in Fig 3 is most simple and convenient for use with wound torroidal cores. A transformer with

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dome Variants of Construction of Single-Phase and Three-Phase Transformers Controlled by Submagnetisation of Shunts

one main core and two submagnetisation cores is illustrated in Fig 5. The submagnetisation windings on the two cores are cross-connected so that only one transformer is required instead of two. Fig 6 illustrates a variant of the construction described in Fig 5 in which the main magnetic circuit and the two submagnetisation cores are all arranged in a single plane. A transformer with the main magnetic system of the core type and an auxiliary magnetic system with four legs is shown in Fig 7. The submagnetisation windings are cross connected in pairs and the legs of the auxiliary magnetic system are longer than that of the main system so that the submagnetisation windings can be increased in length and reduced in diameter. A transformer designed for wide range of control secondary voltage at nc-load and variable load is illustrated in Fig 8. Both main and auxiliary cores have three legs. The submagnetisation winding is wound on the middle leg of its core and hardly any power frequency enf is induced in it. The choice of

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Some Variants of Construction of Single-Fhase and Three-Phase Transformers Controlled by Submagnetisation of Shunts

transformer construction must be decided in each individual case separately. Three-phase transformers controlled by submagnetisation of shunts are then considered. Such three-phase transformers may consist of combinations of two or three single-phase transformers with sub-magnetised shunts or specially constructed three-phase transformers. All the constructions of single-phase transformers that have been described may be used for three-phase groups. The submagnetisation circuits of the individual single-phase transformers can be fed from a common d.c. supply. Special threephase transformers are more compact than single-phase groups and their construction is analogous with that of single-phase transformers. Three-phase transformers with magnetic shunts in the windows of the secondary windings are first considered. The simplest construction of three-phase transformer of this type is illustrated in Fig 9. In effect the magnetic system of the transformer consists of three separate cores each with three legs with a common yoke. With this construction

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Tome Variants of Construction of Single-Phase and Three-Phase Transformers Controlled by Submagnetisation of Shunts

a shell-type magnetic system may be used for each phase. A disadvantage of the construction is that there is cross submagnetisation of small sections of the main magnetic circuit by constant current of the shunt which somewhat increases the reactive component of the primary winding current. In the construction illustrated in Fig 10, the main magnetic circuit is a standard three leg magnetic system. Each phase of the primary winding is wound on one leg of this core and all three phases have independent magnetic shunts. The secondary windings are wound round the main legs and the legs of the magnetic shunts. With this construction the main flux is separated from the submagnetisation flux. A disadvantage is that the system is rather difficult to assemble. A design due to Engineer B.N.Solov yev of the Gor'kiy Council of National Economy for a three-phase transformer with a magnetic system having nine cores arranged in a single plane is shown in Fig 11. Threephase transformers with separate magnetic shunts in the

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SOV/144-58-10-11/17

Some Variants of Construction of Single-Phase and Three-Phase Transformers Controlled by Submagnetisation of Shunts

primary winding window are then considered. A possible construction is illustrated in Fig 12, the secondary winding is wound on three legs of an ordinary threephase core, the submagnetisation winding is wound on the inner legs of a five leg auxiliary core. Better compensation of the emf's of the fundamental and higher harmonics in the sub-magnetisation circuit is given by the three-phase construction illustrated in Fig 13, in which the submagnetisation winding is arranged on two magnetic shunts which are on two five-leg cores. A fairly simple construction is illustrated in Fig 14, in which the secondary winding is wound on an ordinary three-phase magnetic system, perpendicular to which are three single-phase two-leg cores which carry the submagnetisation windings. A further variant of this construction is illustrated in Fig 14; in which there are three pairs of single-phase cores for the shunts on

Jard 7/8

Some Variants of Construction of Single-Phase and Three-Phase Transformers Controlled by Submagnetisation of Shunts

> which the windings are cross-connected in pairs. there are 15 figures and 5 Soviet references.

ASSOCIATION: Kafedra Obshchey i Teoreticheskoy Elektrotekhniki i Elektricheskikh Mashin i Apparatov Gor'kovskogo Politekhnicheskogo Instituta (Chair of General and

Theoretical Electrical Engineering, Gor'kiy Polytechnical

Institute)

SUBMITTED: 29th September 1958

Card 8/8

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SHMIDT, A C

8(3)

PHASE I BOOK EXPLOITATION

SOV/2467

Randes, Aleksandr Markovich, Vladimir Aleksandrovich Somov and Aleksey Osipovich Shmidt

Transformatory i stabilizatory, reguliruyemyye podmagnichivaniyem shuntov (Transformers and Stabilizers Controlled by Magnetizing Shunts) Moscow, Gosenergoizdat, 1959. 135 p. 12,000 copies printed.

Ed.: M. A. Foyarchenkov; Tech. Ed.: G. Ye. Larionov

PURPOSE: This booklet is intended for staff members of scientific research institutes, laboratories and design offices engaged in the development of bransformers and stabilizers. It may also be useful to students of electrical engineering departments of vuzes.

COVERAGE: The authors discuss new transformers and voltage stabilizers regulated under load by means of magnetizing shunts. They explain the theory of operation and methods of design. They also present design examples and discuss automatic control circuits of stabilized transformers and autotransformers. The material is based largely on the authors' original work in the design of transformers regulated by means of magnetizing shunts.

Card 1/5

Transf	ormers and Stabilizers (Cont.)	s07/2467
No (in	personalities are mentioned. There are 67 references; 66 Soviet cluding 9 translations) and 1 German.	
TABLE	OF CONTENTS:	
Foreword		
Abbreviations and Symbols		
	Introduction Existing static equipment (no moving parts) for continuous	9
	ragulation of a-c voltages	11
2.	Brief information on earlier types of transformers with magnetizing abunts	14
Ch. 2.	General Description of Transformers (TRPSh) and Autotransformers (ARPSh) Regulated by Means of Magnetizing Shunts Located in	
,	Secondary-winding or Primary-winding Sections	17
↓.	Various designs of single-phase TRPSh and ARPSh Megnetizing windings of TRPSh and ARPSh	17
	Eriof characteristics of single-phase TRPSh	23 2 <u>4</u>

Figure 1 and tiphase spates requires an adjusted to the partial of the control organ. Le., the concerter. The curves in Fig. 10 show that relative values the industances and depositances of the converter bearches (on convertence that relative values of the converter bearches) (on convertence to a single-phase current) and they at a change of the relative values of the apparent power and at different power coefficients. The control organ sterning automatically (fig. 7 pointer on p. 910) if the control organ sterninger's algorithm. Such shearch may be maturation choice, or new transformers of the type described. Fig. 11 shows a corresponding modification of the circuits shown in Fig. 9. There are 11 figures and 8 Soviet references.	Wee Electromagnetic Control Organs for \$/105/60/071/nk/jt/^^^ Automatic Control Systems the continuous control of a three-phase voltage with symmetric load of the phase. The appriments showed that the characteristic of the group than former are satisfactory. Finally, the authors describe static contrantformer are satisfactory. Finally, the subhors describe static contrantformer of the number of phases with a transformer of the new type weatters of the number of phases with a transformer of the new type.	Haran	A	5/103/60/021/06/15/016 AUTHORS: Randam, A. M., Kulinich, V. A., 3012/8054. Nuchkow, F. A., Shapiro, S. V., English, A. A., Onitralinities, P. A., Shapiro, S. V., English, A. A., Onitralinities, Systems FITLE: Bew Electromagnetic Control Organs for Authoratic Control PERIODICAL: Avionatika I telesekhanika, 1960, Vol. 21, No. 6,	

HAMDAS, A.M. (Gor'kiy); KULINICH, V.A. (Gor'kiy); SOMOV, V.A. .

(Gor'kiy); SUCHKOV, V.A. (Gor'kiy); SHAPIRO, S.V. (Gor'kiy); SHMIDT, A.O. (Gor'kiy); GU SHRN-GU [Ku Sheng-ku] (Gor'kiy)

New electromagnetic actuating units for automatic control systems. Avtom.i telem. 21 no.6:907-917 Je '60.

(MIRA 13:7)

(Automatic control) (Electric transformers)

BAMDAS, A.M., doktor tekhn. nauk, prof.; StCHKOV, V.A., inzh.;
SHAPIRO, S.V., inzh.; SHMIDT, A.O., inzh.

New designs of transformers with shunt excitation regulation.
Trudy GPI 16 no.5:34-43 '60. (MIRA 16:4)

(Electric transformers)

SHMIDT, A.O., inzh.

Electric transformer regulated by shunt magnetization with branch taps and split secondary winding. Trudy GPI 16 no.5: 98-99 '60. (MIRA 16:4)

(Electric transformers)

SHMIDT, B.M.

Using silos for storage of cement. Mekh. stroi. 18 no. 3:14-15

Mr ¹61.

(MIRA 14:5)

1. Glavdorstroy Mintransstroya.
(Cement--Storage)

SHMIDT, B.M., inzh.

Using silos for storage of cement. Mekh. stroi. 19 no.6:16 Je '62. (MIRA 17:2)

1. Glavnoye upravleniye po stroitel'stvu avtomobil'nykh dorog Ministerstva transportnogo stroitel'stva SSR.

SHMIDT, B.N.

Simplified method of preparation of portable patho-anatomical preparation for museums and demonstrations. Arkh. pat., Moskva 14 no.1:83-84 Jan-Feb 1952. (CIML 22:1)

1. Of Tomsk Psychoneurological Hospital (Head Physician -- I. Ye., Kam-chatka).

SHMIDT, B.N. (Tonsk)

Use of Zis-Moskva automatic electric household refrigerators for obtaining histological sections from frozen specimens. Arkh. pat., 15 no.5:87-88 S-0 '53. (MLRA 6:12)

Iz Tomskoy psikhonevrologicheskoy bil'nitsy (glavnyy vrach
 Z.L.Cheredova).
 (Histology, Pathological) (Refrigeration and refrigerating machinery)

SHMIDT, B.N. (Tomsk)

Use of agar-agar in the processing of scrapings from the cavum uteri and other objects. Ankh. pat. 25 no.4284-85 *63 (MIRA 17:4)

diprocessive day and desired by the second statement of the second secon

1. Iz petologoanatomicheskogo kabineta (zav. - dotsent B.N. Shmidt) Tomskoy psikhonevrologicheskoy bol nitsy (glavnyy vrach - zasluzhennyy vrach RSFSR Z.L. Cheredova) Ministerstwa zdravookhraneniya RSFSR.

SHMIDT, E. M.; GORBACHEV, S. V.

Determination of the effective activation energy in the cathodic reduction of quadrivalent cerium in an acid medium. Zhur. fiz. khim. 36 no.12:2795-2798 D '62.

(MIRA 16:1)

1. Khimiko-tekhnologicheskiy institut imeni Mendeleyeva.

(Cerium compounds) (Reduction, Electrolytic)
(Polarization(Electricity))

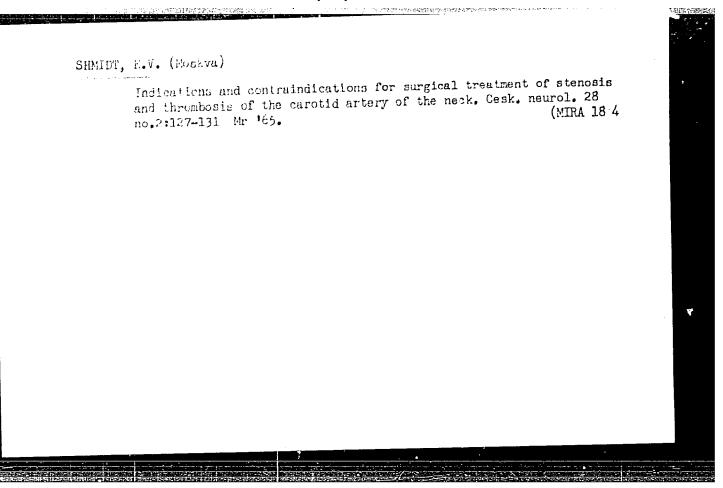
GORBACHEV, S.V.; SHMIDT, E.M.Z.

Unusual values of effective activation energy in concentration polarization. Zhur.fiz.khim. 37 no.8:1877-1830 Ag '63.

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1. Moskovskiy khimiko-tekhnologicheskiy institut im. D.I. Mendeleyeva.

(Polarization (Electricity)) (Chemical reaction, Rate of)



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SHMIDOV,F.I.

Integral theory. Dokl. AN SSSR 101 no.1:31-34 Mr '55.
(MIRA 8:6)

1. Gomel'skiy gosudarstvennyy pedagogicheskiy institut im.
V.P.Chkalova. Predstavleno akademikom A.N.Kolmogorovym.
(Integrals)
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SAVENKO, Yu.; SHMIDT, G., master-vzryvnik

Readers' response to the article "What kind of daily assignment organization?" Mast.ugl. 9 no.11:19 N '60. (MIRA 13:12)

1. Glavnyy inzhener tresta Kadiyevugol' (for Savenko). 2. Shakhta No.5-7 tresta Anzherougol' Kemerovskogo sovnarkhoza (for Shmidt). (Coal mines and mining)

SEMIDY, G.

Berlin's Senonefild Airport. Grezhd. av. 22 no.2020-2. Ag 165.
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1. Redaktor zhurnala "Aviatsionnyy yezhegodnik", Germanskaya

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SHMIDT, G. A.

"The lateral changes of the inducing capabilities of the organizing centres of tailless amphibians." Institute of Experimental Biology, (Dir: N. K. Koltsov), Moscow (p. $1^{l_{1}}$) by Shmidt, G. A.

SO: Biological Journal (Biologicheskii Zhurnal) Vol. V, 1936, No. 1